

AFPC

Sample

2007-08B

Grade

FEED

	AOAC Ref.	Method #	# of Labs.	Grand Median	Std Dev
AMMONIACAL NITROGEN					
Ammoniacal Nitrogen, MgO distillation	920.03	001.10	1	17.19	0.00
Method Group 001.XX PCT			1	17.19	0.00
TOTAL NITROGEN					
Total Nitrogen, Combustion	993.13	010.60	2	0.08	0.06
Method Group 010.XX PCT			2	0.08	0.07
TOTAL PHOSPHATE as P					
Total Phosphate, Gravimetric Quimociac		020.10	2	18.41	0.20
Total Phosphate, Spectrometric/Auto	978.02	020.20	12	18.65	0.16
Total Phosphate, Alka. Quimociac	955.04d	020.30	1	18.84	0.00
Total Phosphate, ICP		020.40	7	18.48	0.42
Total Phosphate, Other		020.99	4	18.66	1.95
Method Group 020.XX PCT			26	18.64	0.28
INSOLUBLE PHOSPHATE					
Insoluble Phosphate, Alka. Quimociac	963.03C(c)	030.30	2	9.25	0.05
Method Group 030.XX PCT			2	9.25	0.06
INDIRECT AVAILABLE PHOSPHATE					
Indirect Available Phosphate, Spectrometric	960.02	040.20	2	9.40	0.04
Method Group 040.XX PCT			2	9.40	0.05
DIRECT AVAILABLE PHOSPHATE as P					
Direct Available Phosphate, Gravimetric Quimociac	960.03E	041.10	3	20.97	4.21
Direct Available Phosphate, ICP	978.01	041.40	2	32.14	8.64
Direct Available Phosphate, ICP		041.50	1	19.42	0.00
Direct Available Phosphate, EDTA Extract	993.01	041.60	1	33.08	0.00
Method Group 041.XX PCT			7	20.97	10.82
WATER SOLUBLE PHOSPHATE					
Water Soluble Phosphate, Spectrometric	970.01	048.20	2	0.20	0.05
Water Soluble Phosphate, Other		048.99	1	0.40	0.00

Method Group 048.XX PCT			3	0.27	0.12
SOLUBLE POTASH AS K₂O					
Soluble Potash, ICP(Citrate)	050.51		1	0.10	0.00
Soluble Potash, Other	050.99		1	0.08	0.00
Method Group 050.XX PCT			2	0.09	0.01
FREE WATER					
Free Water, Vacuum Oven	965.08B	060.00	2	0.07	0.00
Free Water, Other		060.99	2	0.16	0.00
Method Group 060.XX PCT			4	0.12	0.08
ACID SOLUBLE CALCIUM AS Ca					
Acid Soluble Calcium, Atomic Absorption	945.04	101.00	2	30.63	0.89
Acid Soluble Calcium, ICP		101.30	11	30.36	0.52
Acid Soluble Calcium, Other		101.99	2	30.37	0.14
Method Group 101.XX PCT			15	30.36	0.64
ACID SOLUBLE MAGNESIUM AS Mg					
Acid Soluble Magnesium, ICP		121.30	13	0.51	0.02
Method Group 121.XX PCT			13	0.51	0.02
Water Soluble Magnesium, Atomic Absorption	965.09		No Results		
SULFATE SULFUR (S)					
Sulfur, Other		144.99	3	0.04	0.02
Method Group 144.XX PCT			3	0.04	0.02
TOTAL ARSENIC					
Total Arsenic, ICP	980.02(b)	151.02	1	2.0	0.0
Total Arsenic, Other		151.99	2	0.7	0.2
Method Group 151.XX PPM			3	1.0	0.8
ACID SOLUBLE BORON					
Acid Soluble Boron, Other		165.99	3	8.0	1.8
Method Group 165.XX PPM			3	8.0	2.1
TOTAL CADMIUM					
Total Cadmium, ICP		181.30	3	6.3	0.2
Total Cadmium, Other		181.99	1	7.5	0.0
Method Group 181.XX PPM			4	6.4	0.5
ALUMINUM AS Al					

ICP, %			11	0.22	0.05
Atomic Absorption, AA			1	0.21	0.00
Method Group 190.XX PCT			12	0.22	0.06
TOTAL CHROMIUM					
Total Chromium, ICP	191.30		3	133	16.9
Total Chromium, Other	191.99		1	148	0.0
Method Group 191.XX PPM			4	140	20.5
ACID SOLUBLE COBALT					
Acid Soluble Cobalt, ICP	202.30		3	1.7	1.0
Acid Soluble Cobalt, Other	202.99		1	1.9	0.0
Method Group 202.XX PPM			4	1.8	0.7
ACID SOLUBLE COPPER					
Acid Soluble Copper, ICP	221.30		3	10.0	1.4
Acid Soluble Copper, Other	221.99		1	10.9	0.0
Method Group 221.XX PPM			4	10.5	1.5
ACID SOLUBLE IRON AS Fe					
Acid Soluble Iron, Atomic Absorption	980.01	241.00	1	0.49	0.00
Acid Soluble Iron, ICP		241.30	14	0.51	0.04
Method Group 241.XX PCT			15	0.51	0.04
TOTAL LEAD					
Total Lead, ICP		251.30	1	2.0	0.0
Total Lead, Other		251.99	1	2.2	0.0
Method Group 251.XX PPM			2	2.1	0.1
ACID SOLUBLE MANGANESE					
Acid Soluble Manganese, ICP	972.02a	261.30	2	33.2	1.3
Acid Soluble Manganese, Other		261.99	1	39.9	0.0
Method Group 261.XX PPM			3	35.0	3.8
WATER SOLUBLE MANGANESE					
Method Group 271.XX PCT			1	0.04	0
TOTAL MOLYBDENUM					
Total Molybdenum, ICP		289.30	3	5.0	1.2
Total Molybdenum, Other		289.99	1	5.6	0.0
Method Group 289.XX PPM			4	5.3	1.1

TOTAL NICKEL					
Total Nickel, ICP		291.30	3	19.5	1.0
Total Nickel, Other		291.99	1	22.4	0.0
Method Group 291.XX PPM			4	19.8	1.5
TOTAL SELENIUM					
Total Selenium, ICP		301.30	2	<1	0.1
Method Group 301.XX PPM			2	<1	0.1
SODIUM AS Na					
Sodium, Atomic Absorbtion	983.04	311.00	3	6.13	0.04
Sodium, Other		311.99	6	5.95	0.14
Method Group 311.XX PCT			9	6.07	0.19
ACID SOLUBLE ZINC					
Acid Soluble Zinc, ICP		321.30	4	336.2	81.0
Acid Soluble Zinc, Other		321.99	1	376.0	0.0
Method Group 321.XX PPM			5	347.0	40.1
FLUORIDE					
Electrode Method		325.10	11	0.10	0.03
Method Group 325.XX PCT			11	0.10	0.03